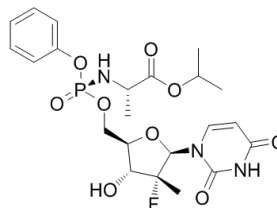


Product Name	: Sofosbuvir
Synonyms	: PSI-7977, GS-7977
Cat No.	: M10650
CAS Number	: 1190307-88-0
Molecular Formula	: C ₂₂ H ₂₉ FN ₃ O ₉ P
Formula Weight	: 529.45
Chemical Name	: (2S)-isopropyl 2-((((2R,3R,4R,5R)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-4-fluoro-3-hydroxy-4-methyltetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)amino)propanoate
Description	: Sofosbuvir (PSI-7977, GS-7977) is a HCV NS5B polymerase inhibitor for the treatment of chronic hepatitis C virus (HCV) infection.
Pathway	: Microbiology/Virology
Target	: HCV
Receptor	: HCV
Solubility	: DMSO: 100 mg/mL warmed (188.87 mM) Ethanol: 100 mg/mL (188.87 mM) Water: 11 mg/mL warmed (20.77 mM)
SMILES	: <chem>CC(C)CNC(=O)OCC1C(C)C(COP(=O)(OC2=CC=CC=C2)OC3C(C(F)O)C(=O)N2C=CC(=O)NC3=CC=CC=C3)O1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Murakami E, et al. J Biol Chem, 2010, 285(45), 34337-34347.